

WHAT IS CLAIMED IS:

Sub A1
1 1. A breakwater system for use in a body of water, said
2 breakwater system comprising:
3 a curtain; and
4 means for attaching said curtain to underwater structure in said
5 body of water.

1 2. The breakwater system of claim 1 wherein said curtain
2 has two opposing ends and said means for attaching said curtain includes a
3 looped section formed in said curtain at each one of said opposing ends.

Sub B1
1 3. The breakwater system of claim 2 wherein said looped
2 sections are threaded into said curtain.

1 4. The breakwater system of claim 2 wherein said looped
2 sections are formed by a hook-and-loop attachment.

1 5. The breakwater system of claim 1 wherein said means for
2 attaching said curtain includes a first attachment sleeve attached to one end
3 of said curtain and a second attachment sleeve attached to an opposite end
4 of said curtain, said first attachment sleeve being slidably mounted on a first
5 part of said underwater structure, and said second attachment sleeve being
6 slidably mounted on a second part of said underwater structure.

Sub A2
1 6. The breakwater system of claim 5 wherein each
2 attachment sleeve comprises a pair of brackets, each bracket having a central
3 indented section and first and second flanges formed on respective sides of
4 said central indented section.

Sub B1
1 7. The breakwater system of claim 6 wherein said brackets
2 of each attachment sleeve are arranged so that corresponding indented
3 sections enclose the corresponding part of said underwater structure and
4 corresponding first flanges sandwich said curtain.

Sub B1
1 8. The breakwater system of claim 1 wherein said curtain is
2 fabricated from a material having energy absorbing qualities.

1 9. The breakwater system of claim 1 further comprising at
2 least one flotation device attached to said curtain.

1 10. The breakwater system of claim 9 wherein said flotation
2 device is attached along an upper edge of said curtain.

Sub A3
1 11. A breakwater system for use in a body of water having a
2 floor, said breakwater system comprising:

3 first and second support members adapted to be positioned on
4 said floor of said body of water; and

5 a curtain attached between said first and second support
6 members, wherein said first and second support members allow said curtain
7 to freely rise in response to a wave in said body of water.

Sub B1
1 12. The breakwater system of claim 11 wherein said first and
2 second support members both include a bottom frame section and a top
3 frame section pivotally connected to said bottom frame section.

Sub A3
1 13. The breakwater system of claim 12 wherein a portion of
2 said screen is attached to each bottom frame section and another portion is
3 attached to each top frame section.

Sub B1
1 14. The breakwater system of claim 11 wherein said first and
2 second support members both include a bottom frame section and a top
3 frame section mounted on said bottom frame section to slide longitudinally
4 thereon.

Sub A3
1 15. The breakwater system claim 14 wherein said screen is
2 attached entirely to each top frame section.

Sub B1
1 16. The breakwater system of claim 11 wherein said first and
2 second support members both include a base plate and a frame assembly
3 extending upwardly from said base plate.

1 17. The breakwater system of claim 16 wherein said first and
2 second support members both further include one or more weights mounted
3 on said base plate.

1 18. The breakwater system of claim 17 wherein said one or
2 more weights are mounted over said frame assembly.

1 19. The breakwater system of claim 17 wherein said first and
2 second support members both further include one or more additional weights
3 mounted on said base plate.

1 20. The breakwater system of claim 16 wherein said first and
2 second support members both further include a supplemental base plate
3 located remote from said first-mentioned base plate and a connector element
4 extending between said supplemental base plate and said frame assembly.

1 21. The breakwater system of claim 11 wherein said curtain
2 is fabricated from a material having energy absorbing qualities.

1 22. The breakwater system of claim 11 further comprising at
2 least one flotation device attached to said curtain.

1 23. The breakwater system of claim 22 wherein said flotation
2 device is attached along an upper edge of said curtain.